

**SYSTEM AND METHOD FOR
RECOVERING SYSTEM TIME IN DIRECT
SEQUENCE SPREAD SPECTRUM COMMUNICATIONS**

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ABSTRACT OF THE INVENTION

A sleep control system and method are provided that permit a reference clock and the direct sequence spread spectrum (DSSS) modem in a mobile station receiver to be turned off and turned back on at
10 arbitrary points in time while still maintaining accurate base station system time. Accurate timing is made possible through a number of techniques including precise initial calibration using a rising edge/falling edge averaging system, determining the sleep clock and reference clock frequencies, and the determination of the frequency drift of the sleep clock
15 that occurred during the previous sleep interval.

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